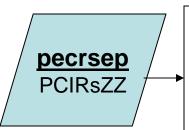
process_precip



<u>Determine Output Time Step(s):</u>

- 1) SNOTEL (s=M) daily only
- 2) LARC (s=P) daily & six hourly only
- 3) GOES (s=G) daily, six hrly & hrly
- 4) ALERT (s=R) daily, six hrly & hrly

Level 1 Quality Flags: S=screened (passed) R=rejected by qc F=flagged by sensok

Quality Control:

- 1) get periods of bad data from **sensok**
- 2) make sure data is continuously increasing
 - a) filter out small fluctuations (smooth)
 - b) catch reset gages
 - c) catch obviously bad positive jumps

Quality Flags:

Check quality flags of data

already in processed tables:

V=verified G=good, manual M=manual E=estimated Check quality flags of data already in processed tables:

1) V, G, M will never be overwritten by Level 1 data

2) E will not be overwritten by missing or bad Level 1 data

Create hourly, six hourly

and daily time series of

- 1) Daily period ends at 12z
- 2) Six hourly periods end at:
 - a) 6z
 - b) 12z
 - c) 18z
 - d) 0z

Write shef encoded data to file and copy to process data queue for posting

pehpsep PPH1sZZ

peqpsep PPQ1sZZ

pedpsep PPD1sZZ